

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-6 (canceled).

7 (currently amended). A method to increase production of at least one Th1 cytokine or to decrease production of at least one Th2 cytokine in an individual free of infection with an immunodeficiency-type retrovirus comprising administering an effective amount of a peptide selected from the group consisting of peptides comprising the amino acid sequence Cys Lys Pro Ile Ser Gly His Asn Ser Leu Phe Trp Tyr Arg Gln Thr (SEQ ID NO:1); ~~or a derivative thereof~~, to an human individual free of infection with an immunodeficiency-type retrovirus in an amount sufficient to increase production of at least one Th1 cytokine or decrease production of at least one Th2 cytokine.

Claims 8-23 (canceled).

24 (previously presented). The method according to claim 7 in which the Th1 cytokine is selected from the group consisting of interleukin 2 and interferon- γ .

25 (previously presented). The method according to claim 7 in which the Th2 cytokine is selected from the group consisting of interleukin-4, interleukin 5, interleukin 6, interleukin 10 and immunoglobulin G.